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(54) WET TYPE FRICTION MATERIAL

(57)Abstract:

PURPOSE: To provide a wet type friction material which is prepared to have heat resistance, sufficient porosity, and an excellent strength, such as impact resistance, by a method wherein a paper-making substance containing a fiber base material of ceramic fiber and an organic fiber or powdery substance is baked, an organic fiber or powdery substance is burnt, and ceramic fibers are integrally sintered.

CONSTITUTION: A paper-making substance containing ceramic fibers, such as alumina fibers, organic synthetic fibres, such as aramide fibers, or an organic powdery substance, such as cashew dust, is prepared such that the materials are dispersed in water and paper-made by means of a long net type paper making machine. After the paper-made paper-making substance is dried, it is blanked in a given shape by a means, such as blanking. The paper-making substance is baked at temperature lower than the melt point of ceramic fibers. This way causes thermal decomposition of organic fibers or a powdery substance for burning, and integral sintering of the ceramic fibers. This constitution prepares a porous wet type friction member wherein ceramic fibers are integrally formed by sintering.

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